

CR 84-140

1-AC-68

CERTIFICATE

RECEIVED

STATE OF WISCONSIN)
) ss.
PUBLIC SERVICE COMMISSION)

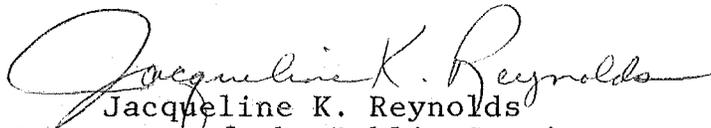
DEC 21 1984
1:30 pm
Revisor of Statutes
Bureau

TO ALL WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Jacqueline K. Reynolds, Secretary of the Public Service Commission of Wisconsin, and custodian of the official records of said commission, do hereby certify that the annexed order amending Wis. Adm. Code section PSC 136 (Title), 136.01(2), 136.04(3), and 136.10 and to create PSC 113.132(2), 136.02 and 136.06 was duly approved and adopted by this commission on December 18, 1984.

I further certify that said copy has been compared by me with the original on file in this commission and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the commission at the Hill Farms State Office Building, in the City of Madison this 20th day of December, 1984.


Jacqueline K. Reynolds
Secretary of the Public Service
Commission of Wisconsin

DATE FILED

DEC 19 1984

COMPARED WITH AND CERTIFIED BY ME
TO BE A FULL, TRUE AND CORRECT COPY
OF THE ORIGINAL ON FILE IN MY OFFICE.

DEC 18 1984

Jacqueline K. Reynolds

Secretary to the Commission
Public Service Commission of Wisconsin

BEFORE THE

PUBLIC SERVICE COMMISSION OF WISCONSIN

Standards for Conversion to)
Gas or Electric Spaceheating) 1-AC-68
Service) 84-140



ORDER OF THE
PUBLIC SERVICE COMMISSION OF WISCONSIN
ADOPTING RULES

To amend PSC 136 (Title), 136.01(2), 136.04(3), and 136.10; and to create PSC 113.132(2), 136.02 and 136.06, Wis. Adm. Code, relating to standards for conversion to gas or electric spaceheating service.

ANALYSIS PREPARED BY THE
PUBLIC SERVICE COMMISSION OF WISCONSIN

On September 12, 1984, the commission held hearing into proposed rules relating to standards for conversion to gas or electric spaceheating service. The proposed rules resulted from a joint task force study under the direction of the Inter-Utility and Electric Supply committees, composed of members of various utilities and state agencies. The task force developed standards to be met by customers prior to conversion. These standards are now being adopted as administrative rules.

The rules will accomplish the following:

- (1) Define relevant terms, such as "spaceheating system," "existing residential structure," "energy audit," "conversion," "accessible," and "unheated areas."

(2) Set forth conservation requirements to be met before a customer may convert to electric spaceheating, including: energy audit, R-38 ceiling or attic insulation, R-19 sill box insulation, floor insulation to a level of R-19, insulation on ducts and hot water pipes in unheated areas, double-glazed or storm windows and storm doors, weatherstripping or caulking, sidewall insulation of R-11, where accessible, ventilation above ceiling/attic insulation, and alternatives where these standards cannot be met. An audit must also be performed prior to conversion to gas space heating.

(3) Allow a six-month compliance period for customers who converted without meeting the standards. Otherwise, failure to meet the conversion standards is a ground for disconnection of service.

RULES AND STATUTORY AUTHORITY

Pursuant to authority vested in the Public Service Commission by ss. 196.02(1), 196.37(2), and 227.014(2)(a), Stats., the commission adopts rules as follow:

SECTION 1: PSC 113.132(2)(f) is created to read:

PSC 113.132(2)(f). Failure to comply with Wisconsin statute, commission rule or commission order pertaining to conservation or availability of service.

SECTION 2: PSC 136 (Title) is amended to read:
ELECTRIC AND GAS CONSERVATION.

SECTION 3: PSC 136.01(2) is amended to read:

PSC 136.01(2). The requirements of ch. PSC 136 shall be observed by all public utilities, both privately and publicly

owned, engaged in the manufacture, mixing, purchasing, storage, transmission and/or distribution of gaseous fuel, or the supply of electric energy and provision of electric service, except as may be provided in ss. 136.04 and 136.06

SECTION 4: PSC 136.02 is created to read:

PSC 136.02 DEFINITIONS. In this chapter:

(1) "Accessible" means capable of being reached without removal or major alteration of any part or parts of the permanent structure.

Note: Accessible areas include uninsulated areas which can be drilled and plugged.

(2) "Conversion" means installation of a permanent electric or gas spaceheating system to replace in whole or in part a spaceheating system which used a different fuel.

Note: Conversion includes installation of a dual-fuel or add-on heat pump system but does not include installation of gas or electric heat in new additions to an existing residential structure.

(3) "Energy audit" means an energy use analysis for spaceheating which complies with the Residential Conservation Service program for the heating system which has been or will be installed.

(4) "Existing residential structure" means a one or two-family dwelling constructed prior to December 1, 1978.

(5) "Spaceheating system" means equipment which uses gas or electric energy either directly or through mechanical processes to provide heat for space conditioning.

(6) "Unheated area" means a space which is thermally isolated outside a building envelope.

SECTION 5: PSC 136.04(3) is amended to read:

PSC 136.04(3). Before natural gas spaceheating service can be rendered to existing residential structures converting to a gas spaceheating service system, each utility listed in sub. (1) shall perform an energy audit and require that the following conservation standards be met:

SECTION 6: PSC 136.06 is created to read:

PSC 136.06. CONSERVATION STANDARDS FOR CONVERSION OF AN EXISTING RESIDENTIAL STRUCTURE TO AN ELECTRIC SPACEHEATING SYSTEM.

(1) The provisions of this section shall apply only to those investor-owned utilities set forth below:

- (a) Lake Superior District Power Company
- (b) Madison Gas and Electric Company
- (c) Northern States Power Company
- (d) Superior Water, Light and Power Company
- (e) Wisconsin Electric Power Company
- (f) Wisconsin Power and Light Company
- (g) Wisconsin Public Service Corporation

(2) Nothing in s. PSC 136.06 shall preclude special and individual consideration being given to exceptional or unusual situations. The rule may be modified or waived by the public service commission in particular cases whenever it is shown to be impracticable for special reasons. Upon due investigation of the facts and circumstances involved and after hearing if required, the commission may order requirements as to individual utilities or service which shall be lesser, greater, other, or different from those provided in the rules of this section.

(3) Before electric spaceheating service may be furnished to an existing residential structure converting to an electric spaceheating system, each utility listed in sub. (1) shall perform an energy audit and require that the following conservation standards be met:

(a) Ceiling or attic. If the structure has ceiling or attic insulating material with insulation value less than R-19, the customer shall install insulation to a level of R-38. If inadequate space exists between ceiling and roof to install insulation to the level of R-38, then the customer shall install as much insulation as space permits.

Note: If the structure's ceiling or attic is insulated to a value of not less than R-11 and the customer chooses to add batt insulation, the additional insulation need only have a value of R-19.

(b) Sill box. Sill box area insulation shall be installed to a level of R-19, unless physically impractical.

(c) Floor. In accessible areas, floor insulation over vented crawl spaces or unheated basements shall be installed to a level of R-19. In heated crawl spaces, insulation with an R factor of 5 shall be installed on the walls.

(d) Unheated areas. In unheated areas, insulation shall be installed on all heating ducts, cold air returns, and hot water pipes.

(e) Windows. Windows shall be double-glazed or have storms.

(f) Outside doors. Each door exposed to the outside atmosphere shall have a storm door or equivalent insulated door.

(g) Weatherstripping and caulking. Weatherstripping shall be installed on all movable doors and windows exposed to an unheated space. Caulking shall be installed whenever two different materials or parts of a structure meet, such as areas around chimney openings, around windows and doors, and similar areas.

(h) Side walls. Where no insulation exists in accessible outside walls, side wall insulation of R-11 shall be installed.

(i) Ventilation. A free ventilating area of not less than 1/300 of the horizontal area shall be installed above ceiling or attic insulation.

Note: One-half of venting near the eaves and the other half near the top of the roof is recommended. Where no vapor barrier is present, a free ventilating area of not less than 1/150 of the horizontal area is recommended.

(j) For existing residential structures unable to meet the conversion standards required by this section, other methods of energy conservation may be substituted if the energy savings are equivalent. Substitutions shall be based on heat loss calculations performed by the utility.

SECTION 7: PSC 136.10 is amended to read:

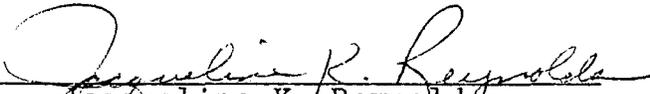
PSC 136.10. DISCONNECTION OR REFUSAL OF SERVICE. Gas or electric service may be disconnected or refused for failure to comply with the regulations contained in this chapter, as specified in ss. PSC 113.132 and 134.062. If a customer has converted without notifying the appropriate utility and has failed to comply with the requirements of s. PSC 136.06, the utility may allow the customer not more than six months to comply with those requirements.

There will be no fiscal impact of these rules on the state or municipalities, or on small business.

These rules have been forwarded to the legislature for review pursuant to s. 227.018, Stats. They will take effect on the first day of the month following publication in the Wisconsin Administrative Register, as provided in s. 227.026, Stats.

Dated at Madison, Wisconsin, December 18, 1984

By the Commission.



Jacqueline K. Reynolds
Secretary to the Commission



State of Wisconsin \ PUBLIC SERVICE COMMISSION

December 20, 1984

NESS FLORES, CHAIRMAN

BRANKO TERZIC, COMMISSIONER

4802 SHEBOYGAN AVENUE

P.O. BOX 7854

MADISON, WISCONSIN 53707

Mr. Gary Poulson
Assistant Revisor of Statutes
411 West, State Capitol
Madison, Wisconsin 53702

File No.

1-AC-68
84-140

Re: Standards for Conversion to Gas or Electric
Spaceheating Service

Dear Mr. Poulson:

Enclosed please find two copies (one certified) of an order of the Public Service Commission adopting rules in the above-entitled matter.

The rules have been seen by legislative committees (sent October 15, 1984).

Sincerely,

A handwritten signature in cursive script, appearing to read "Steven Levine".

Steven Levine
Assistant Chief Counsel

SL:nea

Enc.